

# Patent [19]

[11] Patent Number: 2001239160

[45] Date of Patent: Sep. 04, 2001

5

## [54] PHOTOCATALYST FILTER AND ITS PRODUCTION METHOD

[21] Appl. No.: 2000058066 JP2000058066 JP

[22] Filed: Mar. 03, 2000

[51] Int. Cl.<sup>7</sup> B01J02106; A61L00900; B01D05386; B01J03502; B01J03504; B01J03702

### [57] ABSTRACT

**PROBLEM TO BE SOLVED:** To minimize a loss with respect to production by using titanium oxide effectively.

**SOLUTION:** A block 2 obtained by laminating a plurality of corrugated cardboard sheets made of a water absorbent material is cut into a proper thickness to form a photocatalyst filter body 1. The filter body 1 is immersed in a solution containing titanium oxide as a main component, lifted up from the solution, and dried to produce a photocatalyst filter.

\*\*\*\*\*